

1           42. (Amended) A motor including:

2           (a) magnetic field generating means having N and S magnetic poles for  
3           generating a magnetic field; and

4           (b) a core made of magnetic material and opposed to said magnetic field  
5           generating means;

6           wherein one of said magnetic field generating means and said core rotates  
7           with respect to the other,

8           wherein a number of said magnetic poles is  $2m$  and a number of slots of  
9           said core is  $3n$  ( $m$  and  $n$  are integers), and

10          a plurality of slots formed in said core, said plurality of slots each have an  
11          electrical angle which is one of:

12               a) between 80 degrees and 95 degrees; and

13               b) between 20 degrees and 35 degrees.

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